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**Abstract of the Disclosure**

An apparatus for heat treating semiconductor wafers is disclosed.

The apparatus includes a heating device which contains an assembly  
linear lamps for emitting light energy onto a wafer. The linear lamps can  
5 be placed in various configurations. In accordance with the present  
invention, tuning devices which are used to adjust the overall irradiance  
distribution of the light energy sources are included in the heating device.  
The tuning devices can be, for instance, are lamps or lasers.

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